

**From:** [R6HarveyENVL](#)  
**To:** [R6HarveyInfo](#)  
**Subject:** FW: ASPECT Blurb  
**Date:** Thursday, September 7, 2017 10:23:07 AM

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**From:** Charters, David  
**Sent:** Thursday, September 7, 2017 10:23:06 AM (UTC-06:00) Central Time (US & Canada)  
**To:** R6HarveyENVL  
**Subject:** FW: ASPECT Blurb

[ASPECT writeup](#)

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**From:** Kudarauskas, Paul  
**Sent:** Thursday, September 07, 2017 11:21 AM  
**To:** Charters, David <Charters.DavidW@epa.gov>  
**Subject:** ASPECT Blurb

The U.S. EPA ASPECT Program is the nation's only 24/7/365 emergency airborne platform equipped with special chemical, radiological, and situational awareness instruments. ASPECT stands for Airborne Spectral Photometric Environment Collection Technology. It detects chemicals and radiation while collecting aerial photos and videos for situational awareness during an emergency (night or day). Critical information is automatically processed in the aircraft and transmitted via satellite to a team of highly skilled scientists who quickly review it before sending it the decision makers on the ground. This can be done within 5 minutes. Because of its ability to quickly arrive onsite and turn data, ASPECT serves as an initial screening tool to help the field responders make more informed decisions based on actual measurements. ASPECT does not fly through the hazard. All the information is collected from a safe distance away from the hazard using remote sensing technologies. It usually flies at about 3,000 ft above the ground but can fly much lower (or higher) if needed. A crew of 4 fly and operate the aircraft. The size of the reach back team varies depending on the type and scale of an emergency, and can provide support at the command post or from anywhere in the world via satellite communications and secure internet coordination.

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United States Environmental Protection Agency  
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